

Product code: 416988

DOMALKYD 4284 70 X

Alkyd Resin Modified with Synthetic Acids

Specification:

Property	Range	Method / According to standard
Non-volatile matter	69 - 71%	MH1155 / ISO 3251
Acid value on solid resin	max. 12 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	70 - 100 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4000 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 3 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Density	1.1 kg/L
Flash point	27 °C
Hydroxyl content on solid	2.4%
Water content	max. 0.2 wt.%

Solubility:

Soluble in Solvesso 100, xylene, acetone, ethyl acetate, n-Butyl acetate, methoxy propyl acetate and methyl isobutyl ketone.

Compatibility:

- » Compatible with isocyanate resins (HDI-biuret, HDI-isocyanurate, Desmodur L 75), Vinyl VAGH, ester soluble Nitrocellulose, Domopol 6067.
- » Limited compatibility with CAB 551-02 and Domacryl hydroxy resins.

Applications:

- » Domalkyd 4284 70 X is medium reactive alkyd resin intended for crosslinking with melamine formaldehyde resins or isocyanate resins.
- » Used for forced drying two-pack systems for metal with excellent mechanical properties and superior outdoor durability.
- » Crosslinking with aliphatic isocyanates is recommended for the formulation of non-yellowing finishing.
- » The best results are achieved in the region of the theoretical mixing ratio with isocyanate. Over and under- crosslinking is possible within certain limits.
- » To accelerate the reaction, organic catalysts can be used: diethylethanolamine, dibutyl tin dilaurate or zinc octoate.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

Disclaimer

This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.

TECHNICAL DATASHEET

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Issue Date: March 2025

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